



High Resolution / Dual Voltage Color Dome Camera

CVC-6146HR

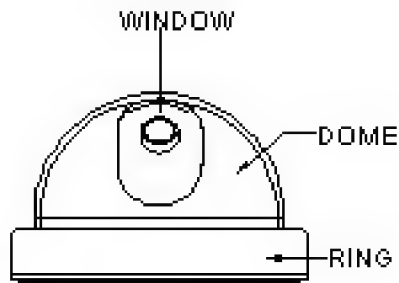
OPERATION / INSTALLATION MANUAL



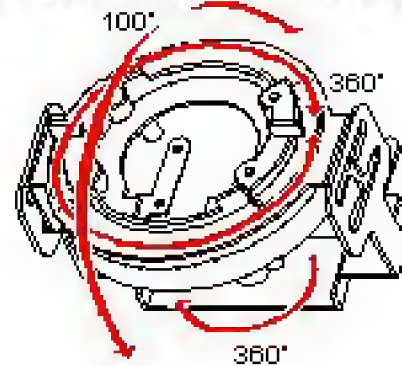
Speco Technologies
200 New Hwy
Amityville, NY 11701
800-645-5516
www.specotech.com

Camera Layout

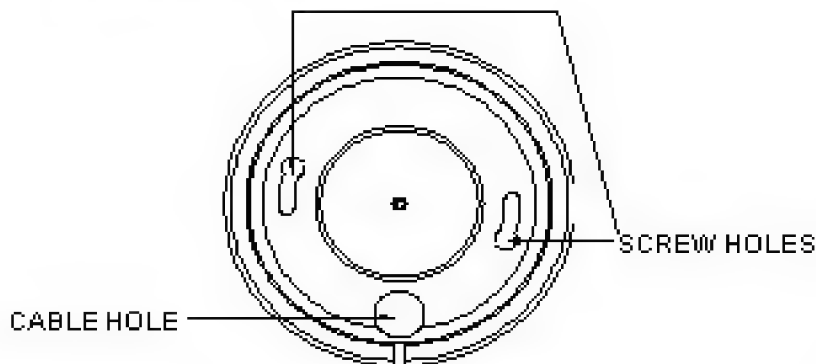
- TOP VIEW



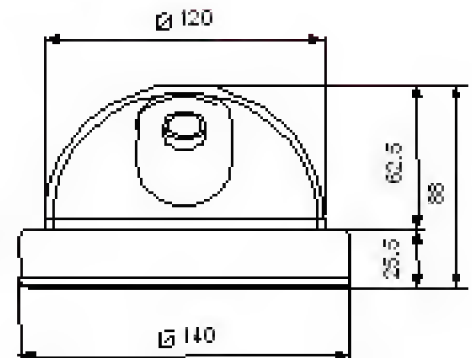
- 3-AXIS GIMBLE BRACKET



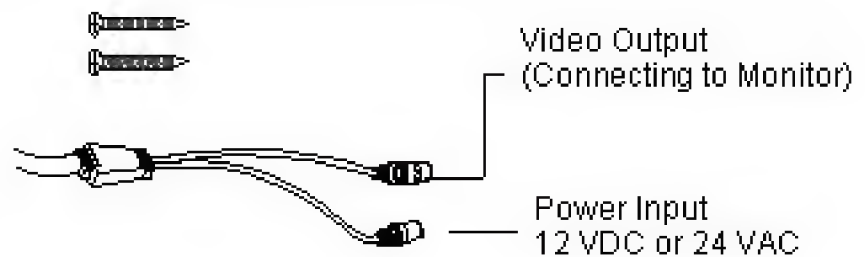
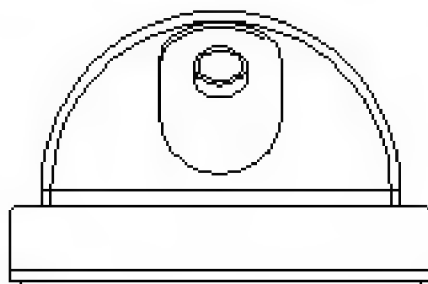
- BOTTOM VIEW



- Dimension

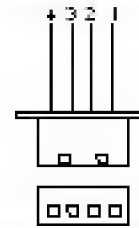
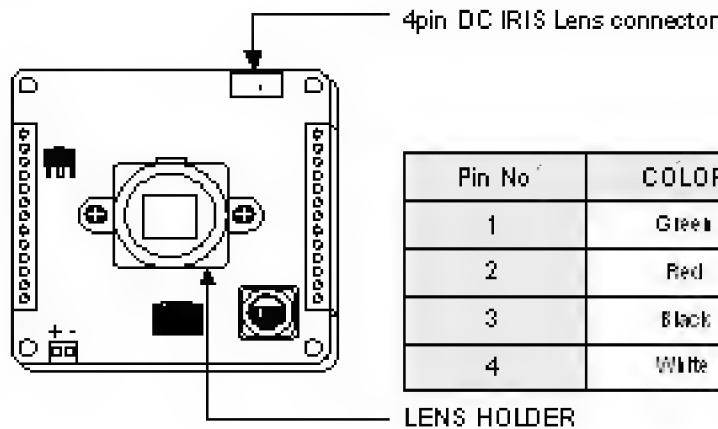


CAMERA COMPONENTS



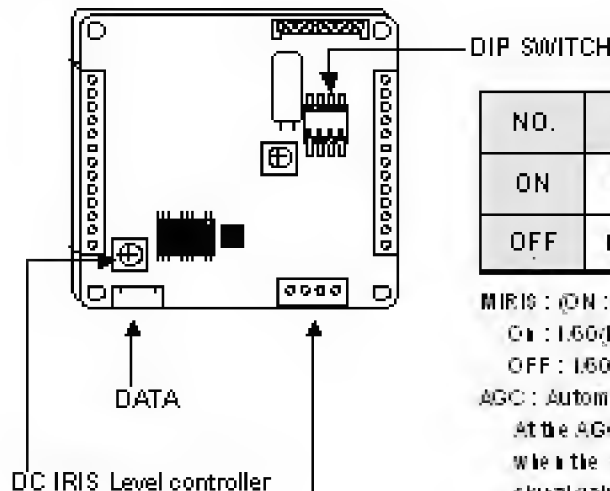
MODULE INSTALLATION

FRONT BOARD



| Pin No. | COLOR | DC Control Type |
|---------|-------|-----------------|
| 1 | Green | Drive (-) |
| 2 | Red | Drive (+) |
| 3 | Black | DAMP (-) |
| 4 | White | DAMP (+) |

REAR BOARD



| NO. | 1 | 2 | 3 | 4 |
|-----|-----------|-------------|---------|---------|
| ON | MIRIS ON | AGC MAX ON | FLC ON | BLC ON |
| OFF | MIRIS OFF | AGC MAX OFF | FLC OFF | BLC OFF |

MIRIS : (ON : Mechanical IRIS, OFF : Electronic IRIS)

ON : 1.60(NTSC)

OFF : 1.60~1/1,00,000(NTSC)

AGC : Automatic Gain Control

At the AGC on setting, camera's sensitivity is automatically increased when the level of ambient light drops. AGC function automatically controls signal gain in the range of maximum 34dB.

FLC : Flicker-less

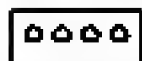
If the camera is used with fluorescent lighting, flicker can be occur on the monitor screen.

BLC : Back Light/Compensation

Strong light, such as a spotlight, entering the scene background causes the lens iris to close, thereby possibly obscuring desired portions of the scene.

Back-light compensation function automatically adjusts the video level so as to preserve visibility in important section of the scene.

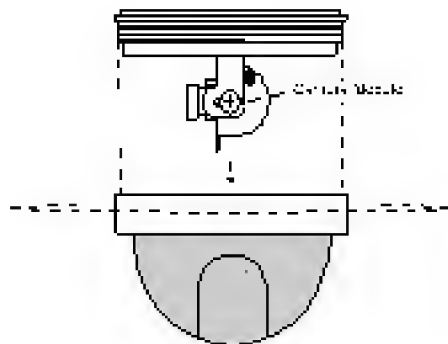
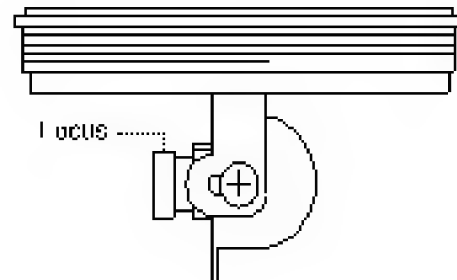
Video, Audio, Power



| 1 | 2 | 3 | 4 |
|-----------|-----------|-----|-------|
| Audio out | Video out | GND | Power |

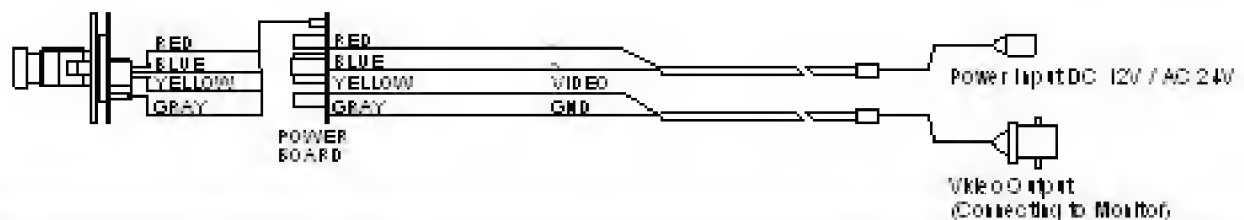
CAMERA INSTALLATION

1. Carefully Remove Dome Cover

2. Adjust Camera Direction
- Tighten After Aiming Camera

3. Camera Connections:

DC 12V / AC 24V (Φ 120 Only)



| MODEL | CVC-6146HR High Resolution Color Dome Camera |
|-----------------------|--|
| Signal Format | NTSC |
| Horizontal Resolution | 550 TV Lines |
| Pick-up Device | 1/3" SONY DSP Super HAD CCD |
| Scanning System | 2:1 interlace |
| Effective Pixels | 768(H) × 494(V) |
| Electronic Shutter | 1/60 – 1/100,000 seconds |
| Synchronization | Internal / Line Locked in 24VAC mode |
| Output signal | Standard composite 1Vp-p composite video into 75 Ohm |
| Min. Illumination | 0.3 Lux / F1.2 |
| S/N (Y signal) | 48dB or more (AGC Off) |
| Gamma | 0.45 |
| DIP Switches | AES/AI, BLC, FLK, AGC |
| Input Voltage | 12VDC @300 mA / 24VAC @4.0W |
| Housing material | Polycarbonate with lined dome cover |
| Operating Temperature | +14°F to +122°F |
| Operating Humidity | Under 95% non-condensing |
| Lens | DC Auto Iris Varifocal Lens : 2.8~11.0mm F1.4 |
| Dimension | Φ5.5" × 3.5" (H) |